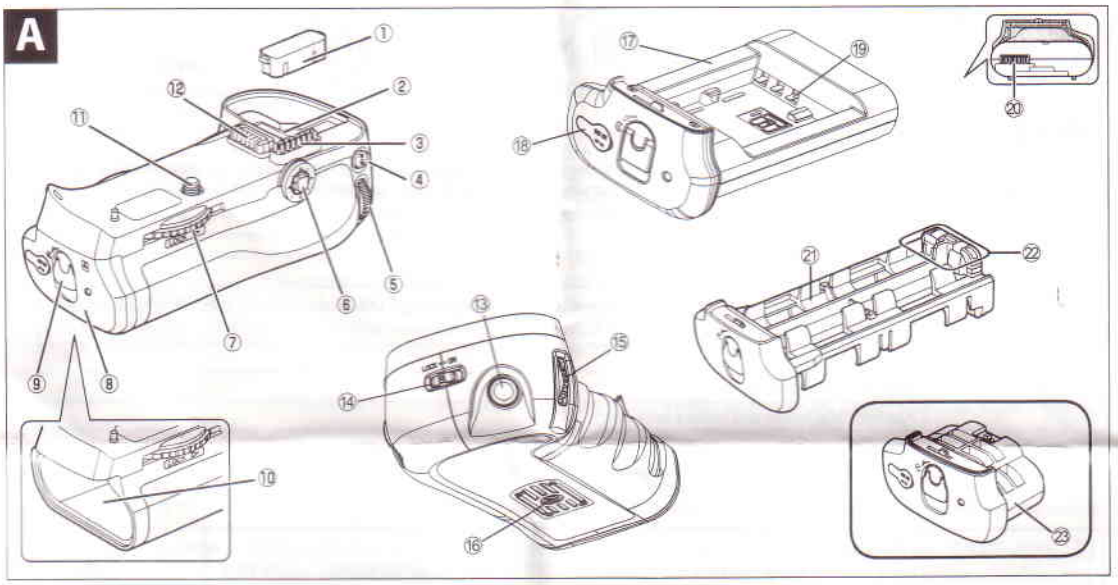
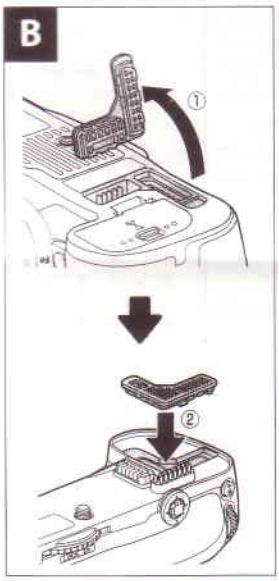
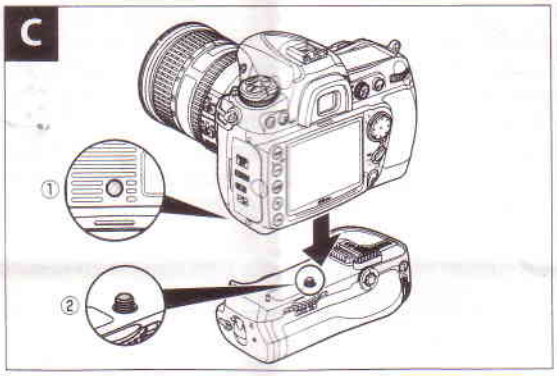
ND300 Battery Grip

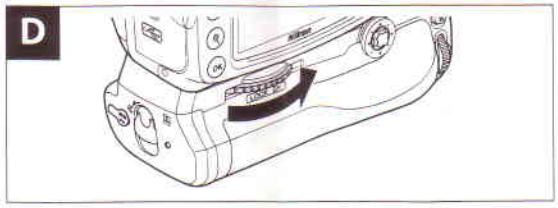
For Nikon D300

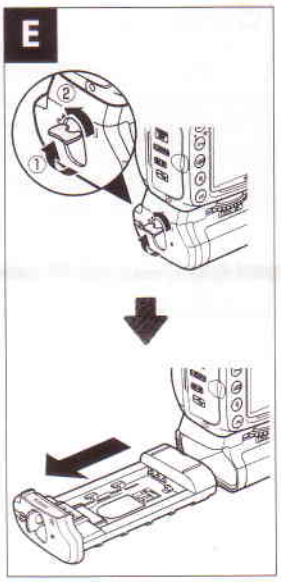
EN D300 Battery Grip Instruction For Usage

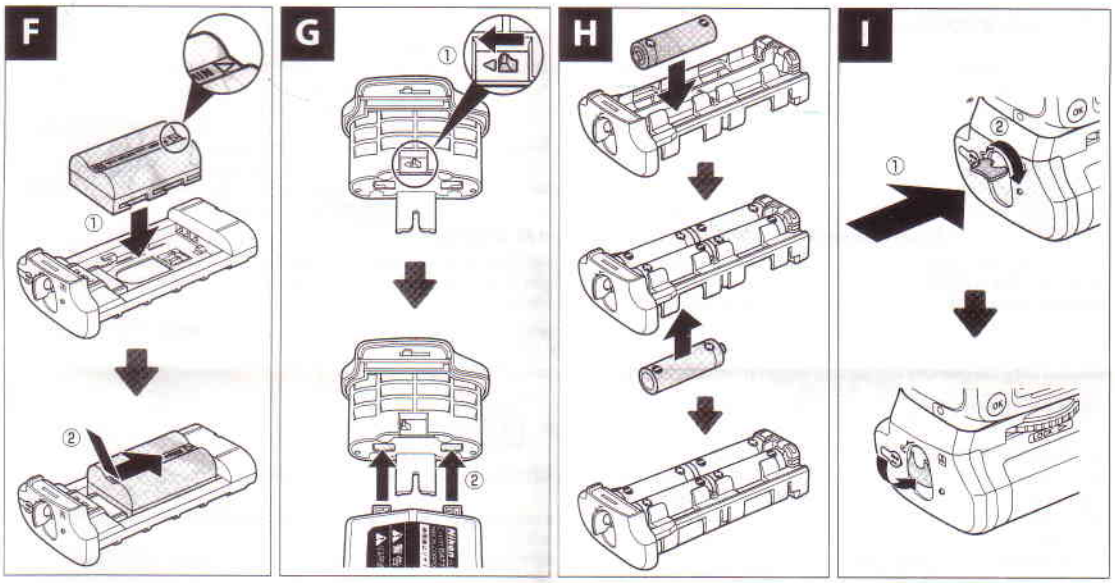












Precautions for Use

- The ND300 is for use with compatible cameras only.
- Do not use with batteries and battery holders not recommended in this manual.The ND300 can not be use with rechargeable EN-EL3a/EN -El3 Li-ion batteries.
- The ND300 can be used with the MS-40 AA battery holder for the MB-40 multi-power battery pack,but performance will be impairedand the number of photographs that can be taken with a single set of batteies will drop.
- To prevent electrical shorts caused by metal object touching the power terminals,replace the contact cap when the ND300 is not in use.
- When a battery holder or the optional BL-3 battery-chamber cover is removed from the ND300,remove the batteries or place the holder or cover in the holder case to prevent electrical shorts caused by contact with other metal objects.
- The memory card access lamp may light up when the ND300 is attached or removed from the camera,but this is not malfunction.
- Should you notice smoke or an unusual smell or noise from the battery pack,discontinue use immediately.After removing the batteries,take the device to the retailer or a Nikon-authorized service representative for inspection.
- The ND300 is not equipped with a power switch.Use the camera power switch to turn the power on or off.

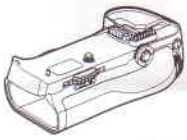
Introduction

Thank you for your purchase of an ND300 multi-power battery pack for use with the ND300 in the camera manual.The ND300 takes one EN-EL3e, EN-EL4a, or EN-EL4 rechargeable battery or eight AA batteries (alkaline,Ni-MH,lithium,or nickel-manganese) and includes shutter-release button, AF-ON button,multi selector,and main and sub-command dials for taking pictures in "tall" (portrait) orientation.Camera menu options allow the user to choose whether the camera battery or the batteries in the ND300 are used first;see the camera manual for details.

The ND300 and Accessories

The ND300 and Accessories

Confirm that the following items are supplied with the ND300 (batteries are sold separately).



ND300

EN-EL3e battery magazine

AA batteries battery magazine

Car charger

Contact cap

- User's manual (this manual)
- Warranty
- Qualified certificate

The AA battery magazine is inserted in the Nd300 at shipment.See "Inserting Batteries" for information on removing the battery holder.

The BL-3 Battery-Chamber Cover 、 adapter(Available Separately)

A BL-3 battery-chamber cover (purchase separately from Nikon company) is required when using EN-EL4a or EN-EL4 Batteries.The adapter could charge the EN-EL3e battery holder directly.(purchase separately)

BL-3 battery-chamber cover

Adapter

Parts of the ND300(Figure A)

1、Contact cap
2、Holder for camera contact cover
3、Signal contacts
4、AF-ON button
5、Main command dial
6、Multi selector
7、Attachment wheel
8、Battery-chamber cover
9、Battery-chamber latch
10、Battery chamber
11、Mounting screw
12、Power terminals
13、Shutter-release button
14、Control lock
15、Sub-command dial
16、Tripod socket
17、EN-EL3e battery magazine
18、DC in jack
19、Power terminals
20、Power terminals(EN-EL3e battery magazine)
21、AA battery magazine
22、Power terminals (AA battery magazine)
23、BL-3 battery-chamber cover (purchase separately from Nikon company)

The ND300 Shutter-Release Button,Multi Selector,Command Dials,and AF-ON Button

The ND300 is equipped with a shutter-release button (Figure A-13),multi selector (Figure A-6),main command dial (Figure A-5),sub-command dial (Figure A-15),and AF-ON button (Figure A-4) for use when taking photographs in vertical ("tall" ,or portrait) orientation.These controls perform the same functions as the corresponding controls on the camera.See the camera manual for more information.

Changes to [Multi selector center button],[Multi selector],[Photo info/playback],and [Customize command dials] in the camera Custom Settings menu (Group f) also qpply to the multi selector and command dials on the ND300.The function performed by the AF-ON button on the ND300 can be selected using the [AF-ON for N D300] option in Group a.See the camera manual for details.

Using the Battery Pack

Attaching the Battery Pack

Before attaching the battey pack,be sure that the camera is off and that the ND300 control lock (Figure A-14) is in the L position.

1 Remove the contact cap (Figure A-1) from the battey pack.
2 The contacts for the ND300 are in the base of the camera.where they are protected by a contact cover.Remove the contact cover as shown in Figure B-1 and place it in the contact cover holder on the ND300 (Figure B-2).
3 Insert the ND300 (Figure C),keeping the ND300 mounting screw (C-2) aligned with the camera tripod socket (C-1).There is no need to remove the battey from the camera before connecting the ND300.At default settings,the battery inserted in the camera will be used only after the battery in the ND300 is exhausted.The [Battery order] option in the camera Custom Settings menu (Group d) can be used to change the order in which the batteries are used.See the camera manual for details.
4 Tighten the attachment wheel by rotating it in the direction shown by the LOCK arrow (Figure D).
Be sure to place the camera contact cover in the contact cover holder to prevent loss.

Removing the Battery Pack

To remove the ND300,turn the camera off and set the control lock on the ND300 to Lock,then loosen the attachment wheel and remove the ND300. Be sure to replace the contact cover on the camera and the contact cap on the ND300 when the battery pack is not in use.

Inserting Batteries

The ND300 can be used with one EN-EL3e,EN-EL4 rechargeable Li-ion battery,or with eight AAbatteries.A BL-3 battery-chamber cover is required when using an EN-EL4 battery.

Before inserting batteries,be sure that the camera is off and that the ND300 control lock is in the L position.

1 Turn the ND300 battery-chamber latch to ⊂ and remove the battery holder (Figure E).
2 Ready the batteries as described beloo.
EN-EL3e:Matching the indentations on the battery to the projections on the ND300 holder,insert the battery with the arrow (▲) on the battery toward the battery holder power terminals (Figure F-2).
EN-EL4a-EL4:If the battery release on the optional BL-3 battery-chamber cover is positioned so that the arrow (◁) is visible ,slide the battery release to cover the arrow (Figure G-1).Insert the two projections on the battery into the matching slots on the BL-3 (Figure G-2) and slide the BL-3 battery lock release to reveal the arrow.
AA: Place eight AA batteries in the ND300 battey holder as shown in Figure H,making sure that the batteries are in the correct orientation.
3 Insert the battery or battery holder in the ND300 and latch the battery-chamber cover (Figure I).Make sure the battery or holder is fully inserted before turing the latch.
4 Turn the camera on and check the battery level in the control panel or viewfinder.If the camera does not turn on,check that the battery is correctly inserted.

Battery Level

The camera displays battery level as follows:

EN-EL3e, EN-EL4a, and EN-EL4 Batteries

Control panel	Viewfinder	Description
	—	Battery fully charged.
	—	Battery partially discharged.
		Low battery. Ready spare batteries.
(blinks)	(blinks)	Battery exhausted. Shutter release disabled.

AA Batteries

Control panel	Viewfinder	Description
	—	Charge remaining.
		Low batteries. Ready spare batteries.
(blinks)	(blinks)	Batteries exhausted. Shutter release disabled.

The [Battery order] option in the camera Custom Settings menu (Group d) can be used to change the order in which the batteries are used. When the camera is drawing power from the ND300, a BP icon is displayed in the control panel.

To ensure that the camera shows the correct battery level when AA batteries are used, choose the appropriate option for the [MB-D10 battery type] option in the camera Custom Settings menu (Group d). If the correct option is not selected, the camera may fail to function as expected.

Option	Battery type
LR6 LR6 (AA alkaline)	AA alkaline (LR6)
HR6 HR6 (AA Ni-MH)	AA Ni-MH (HR6)
FR6 FR6 (AA lithium)	AA Lithium (FR6)
ZR6 ZR6 (AA Ni-Mn)	AA nickel-manganese (ZR6)

Remove the batteries when the STD-ND300 is not in use.

Battery Info

The [Battery info] option in the camera setup menu displays information on EN-EL3e, EN-EL4a, and EN-EL4 batteries (the camera battery is listed on the left, the MB-D10 on the right). Only the battery level is listed when AA batteries are used. See the camera manual for details.

Removing Batteries

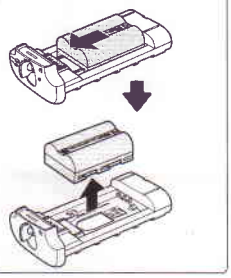
Be careful not to drop batteries, the holder, or the optional battery-chamber cover.

1 Turn the ND300 battery-chamber latch to ⋐ and remove the battery holder (Figure E).

2 Remove the battery or batteries from the holder or optional battery-chamber cover.

EN-EL3e

Slide the battery toward the button. The battery can then removed as shown.

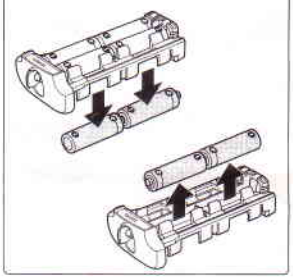


EN-EL4a/EN-EL4

Slide the battery release in the direction indicated by the arrow (◁) and remove the battery-chamber cover.

AA Batteries

Remove the batteries as shown. Be careful not to drop the batteries when removing them from the holder.



Charging

Car charger:plugs car charger 's output port into EN-EL3e battery holder 's t.connect the input port cigar lighter device and then it 's charging
Adapter:plugs adapter 's output port into EN-EL3e battery holder 's charger por.connect the input port to AC port,and then it 's charging
Charging time:4 hours.

Specifications

Power soure	One EN-EL3e,EN-EL4a,or EN-EL4 rechargeable Li-ion battery or eight LR6 alkaline,HR6 Ni-MH,FR6 lithium,or ZR6 nickel-manganese AA batteries.
Operating temperture	0-40℃ (32-104℃)
Dimensions(WxHxD)	Approx.152x55x76mm
Weight	Approx.250g(holder and battery excluding)

Specifications and design are subject to change without notice.

☑ EN-EL3e, EN-EL4a, and EN-EL4 Batteries

The performance of EN-EL3e, EN-EL4a, and EN-EL4 batteries drops at temperatures below about 10°C (50°F). Be sure the battery is fully charged and keep a warm spare battery on hand ready to exchange as necessary. Cold batteries will recover some of their charge when warmed.

☑ AA Batteries

Due to their limited capacity, AA LR6 alkaline and ZR6 nickel-manganese batteries should be used only when no other alternative is available. Use is not recommended at low temperatures. In general, AA batteries have less capacity than other power sources when used in the MB-D10; EN-EL3e, EN-EL4a, and EN-EL4 batteries are recommended for best performance.

The capacity of AA batteries varies with make and storage conditions and may in some instances be extremely low; in some cases, AA batteries may cease to function before their expiry date. Note that the capacity of AA batteries may drop at temperatures below 20°C (68°F).

☑ Frame Advance Rate

EN-EL4a/EN-EL4 and AA batteries support higher frame advance rates than the EN-EL3e. For more information on frame advance rates, see the camera manual.